

ABSTRACT OF THE DISCLOSURE

A camera capable of white balance correction (WBC) of this invention has an image pickup optical system, an image sensor for receiving light from an object, a  
5 three-primary-color (3-color) detection section for detecting 3-color signals based on the image sensor output, a matrix processing section for calculating 2-color difference signals from the 3-color signals, a visible-light brightness detection section for  
10 detecting visible-light brightness by the output from the 3-color detection section or by a photometric section, an infrared-light detection section for detecting the lightness of infrared-light, and an artificial-light detection section for calculating the  
15 ratio of artificial light and natural-light. A correction range for performing the WBC is obtained based on the ratio of artificial-light and natural-light computed by the artificial-light detection section, and the WBC is performed when the 2-color  
20 difference signals are within the correction range.

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